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Recombinant Human THSD1 Protein

Catalog No.: RP00253 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	55901	Q9NS62-2

Tags
C-His

Synonyms
THSD1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
38.63 kDa

Observed MW
55-70 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Human Thrombospondin type-1 domain-containing protein 1 (THSD1) also known as Transmembrane molecule with thrombospondin module (TMTSP), is a single-pass type I membrane protein. In addition, THSD1 is widely expressed on endothelial cells, with highest expression in the lung. THSD1's ligand and function are unknown, but it is postulated that THSD1 may be involved in the regulation of vasculogenesis and/or angiogenesis through its interaction with its specific ligand.

Basic Information

Description
Recombinant Human THSD1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu 25 - Ile 361) of human THSD1 (Accession #NP_954872.1) fused with a 6×His tag at the C-terminus.

Bio-Activity
Measured by the ability of the immobilized protein to support the adhesion of SVEC4-10 mouse vascular endothelial cells. When 5×104 cells/well are added to rhTHSD1 coated plates (30 μg/mL, 100 μL/well), approximately 13-17% will adhere after 60 minutes at

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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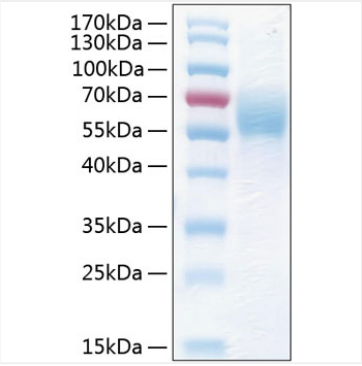
Validation Data



Recombinant Human THSD1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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